

**CPC****COOPERATIVE PATENT CLASSIFICATION****B25C****HAND-HELD NAILING OR STAPLING TOOLS; MANUALLY OPERATED PORTABLE STAPLING TOOLS** (for shoemaking A43D)**NOTE**

For the purposes of this subclass, the term "nail" is to be understood as including pin, bolt, and plug

**B25C 1/00**

**Hand-held nailing tools** (hammers per se [B25D](#); nailing machines [B27F 7/02](#)); **Nail feeding devices**

- B25C 1/001 . {Nail feeding devices ([B25C 1/184](#) takes precedence)}
- B25C 1/003 .. {for belts of nails}
- B25C 1/005 .. {for rows of contiguous nails}
- B25C 1/006 .. {for corrugated nails and marking tags}
  
- B25C 1/008 . {Safety devices}
  
- B25C 1/02 . operated by manual power
  
- B25C 1/04 . operated by fluid pressure, { e.g. by air pressure}
- B25C 1/041 .. {with fixed main cylinder}
- B25C 1/042 ... {Main valve and main cylinder}
- B25C 1/043 ... {Trigger valve and trigger mechanism}
- B25C 1/044 .. {with movable main cylinder}
- B25C 1/045 ... {main valve and main cylinder}
- B25C 1/046 ... {Trigger valve and trigger mechanism}
- B25C 1/047 .. {Mechanical details}
- B25C 1/048 .. {Hydraulically operated}
  
- B25C 1/06 . operated by electric power
  
- B25C 1/08 . operated by combustion pressure
- B25C 1/082 .. {generated by detonation of a pellet}
- B25C 1/085 ... {trigger operated}
- B25C 1/087 ... {operated by a hammer blow}
- B25C 1/10 .. generated by detonation of a cartridge
- B25C 1/105 ... {Cartridge ejecting mechanisms and latch mechanisms}
- B25C 1/12 ... acting directly on the bolt
- B25C 1/123 .... {trigger operated}

B25C 1/126	....	{operated by a hammer blow}
B25C 1/14	...	acting on an intermediate plunger or anvil (pistols for slaughtering or stunning animals <a href="#">A22B 3/02</a> )
B25C 1/143	....	{trigger operated}
B25C 1/146	....	{operated by a hammer blow}
B25C 1/16	...	Cartridges specially adapted for impact tools; Cartridge and bolts units (bolts per se <a href="#">F16B 19/14</a> )
B25C 1/163	....	{Cartridges}
B25C 1/166	....	{Pellets}
B25C 1/18	...	Details and accessories, e.g. splinter guards, spall minimisers
B25C 1/182	....	{Feeding devices}
B25C 1/184	.....	{for nails}
B25C 1/186	.....	{for cartridges or pellets}
B25C 1/188	....	{Arrangements at the forward end of the barrel, e.g. splinter guards, spall minimisers, safety arrangements, silencers, bolt retainers}

### **B25C 3/00**      **Portable devices for holding and guiding nails; Nail dispensers**

B25C 3/002	.	{nail dispensers with provision for holding and guiding nails}
B25C 3/004	..	{the nail being hit by a hammer head}
B25C 3/006	.	{only for holding and guiding}
B25C 3/008	..	{the nail being hit by a hammer head}

### **B25C 5/00**      **Manually operated portable stapling tools; Hand-held power-operated stapling tools** ({clip clamping hand tools [B25B 7/14C](#)}; details or components, e.g. casings, bodies, of portable power-driven tools not particularly related to the operation performed [B25F 5/00](#); stapling machines [B27F 7/17](#)); **Staple feeding devices therefor** (staples [F16B 15/00](#))

#### **NOTE**

In this group the following term is used with the meaning indicated: -"stapling tools" covers tools for driving U-shaped loops, e.g. of metallic material, into a surface to fix an object thereto, or through layers of relatively thin material to hold them together, e.g. by clinching

B25C 5/02	.	with provision for bending the ends of the staples on to the work
B25C 5/0207	..	{Particular clinching mechanisms ( <a href="#">B25C 5/0271</a> takes precedence)}
B25C 5/0214	..	{Combined stapling and punching tools}
B25C 5/0221	..	{Stapling tools of the table model type, i.e. tools supported by a table or the work during operation}
B25C 5/0228	...	{power-operated}
B25C 5/0235	...	{manually operated having a plunger cooperating with an anvil ( <a href="#">B25C 5/025</a> takes precedence)}
B25C 5/0242	...	{having a pivoting upper leg and a leg provided with an anvil supported by the table or work}

- B25C 5/025 . . . . {the plunger being manually operated}
- B25C 5/0257 . . . {without an anvil, e.g. using staples of particular shape bent during the stapling operation without the use of external clinching means}
- B25C 5/0264 . . . . {having pivoting clinching means for bending the staple ends}
- B25C 5/0271 . . . . . {Clinching means therefor}
- B25C 5/0278 . . . {having staple forming means}
- B25C 5/0285 . . {Hand-held stapling tools, e.g. manually operated, i.e. not resting on a working surface during operation}
- B25C 5/0292 . . . {with the objects to be stapled together introduced perpendicularly to the longitudinal axis of the tool in an opening formed by an anvil and a plunger}
- B25C 5/04 . . with means for forming the staples in the tool
- B25C 5/045 . . . {starting from performed staples}
  
- B25C 5/06 . without provision for bending the ends of the staples on to the work
- B25C 5/08 . . with means for forming the staples in the tool
- B25C 5/085 . . . {starting from performed staples}
  
- B25C 5/10 . Driving means
- B25C 5/11 . . operated by manual {or foot} power
- B25C 5/13 . . operated by fluid pressure
- B25C 5/15 . . operated by electric power
  
- B25C 5/16 . Staple-feeding devices {e.g. with feeding means, supports for staples or accessories concerning feeding devices}
- B25C 5/1603 . . {for tools with provision for bending the ends of the staples or to the work}
- B25C 5/1606 . . {Feeding means}
- B25C 5/161 . . . {employing a spring-loaded puller}
- B25C 5/1613 . . . . {with means for holding puller out of position during re-loading}
- B25C 5/1617 . . . {employing a spring-loaded pusher}
- B25C 5/162 . . . . {with means for holding pusher out of position during re-loading}
- B25C 5/1624 . . . {employing mechanical feeding means ([B25C 5/161](#) , [B25C 5/1617](#) take precedence)}
- B25C 5/1627 . . . . {of incremental type}
- B25C 5/1631 . . . . {for feeding a chosen number of staples to the drive channel}
- B25C 5/1634 . . . {employing gravity feed}
- B25C 5/1637 . . {Supports for the staples being fed}
- B25C 5/1641 . . . {allowing the feeding of a variety of elements}
- B25C 5/1644 . . . . {of different shapes}
- B25C 5/1648 . . . . . {by use or interchangeable supports}
- B25C 5/1651 . . . . . {of T-shaped staples or nails}
- B25C 5/1655 . . . . . {by use of interchangeable supports}
- B25C 5/1658 . . . . {of different sizes of staples}
- B25C 5/1662 . . . . . {by use of interchangeable supports}
- B25C 5/1665 . . {with means for preventing jamming or aiding unjamming within the drive channel}

- B25C 5/1668 . . . {preventing jamming by retaining the next staple}
- B25C 5/1672 . . . . {for multiple-stroke driving}
- B25C 5/1675 . . . {unjamming by movement of the feeding device}
- B25C 5/1679 . . {comprising storing arrangements for a plurality of staple strips}
- B25C 5/1682 . . . {on a rotating carousel}
- B25C 5/1686 . . {using pre-loaded cassettes}
- B25C 5/1689 . . {with means for indicating the number of staples remaining}
- B25C 5/1693 . . {co-ordinating with the feed of a second item}
- B25C 5/1696 . . {Staple support displaceable relative to the tool to allow re-loading}

**B25C 7/00** **Accessories for nailing or stapling tools, e.g. supports** (for tools operated by detonation of a cartridge [B25C 1/18](#))

**B25C 9/00** **Nail punches**

**B25C 11/00** **Nail, spike, and staple extractors** (incorporated in hammers [B25D 1/00](#))

B25C 11/02 . Pincers (joints therefor [B25B 7/06](#))

**B25C 13/00** **Nail straightening devices**